

[illegible]

1. Vaccine for mucosal administration containing at least one particulate immunogen and an adjuvanting amount of B subunits of heat-labile enterotoxin (LTB) characteristic of *E. coli*, completely free of A subunit or toxic LT holotoxin.
2. Vaccine according to claim 1, wherein the LTB is prepared by recombinant DNA methods.
3. Vaccine according to claim 1-2, wherein viral or bacterial or fungal antigens are used as an immunogen.
4. Vaccine according to claim 1-3, wherein the immunogen provides immunisation against a disease which is transmitted by mucosal infection.
5. Vaccine according to claim 4, wherein influenza antigens are used as an immunogen.
6. Method for the induction of a systemic immunoglobulin response against an immunogen by mucosal administration of said immunogen in a particulate form and an adjuvanting amount of B subunits of heat-labile enterotoxin characteristic of *E. coli*, completely free of A subunit or toxic LT holotoxin.
7. Method for the induction of a common mucosal immune response against an immunogen by mucosal administration of said immunogen in a particulate form and an adjuvanting amount of B subunits of heat-labile enterotoxin characteristic of *E. coli*, completely free of A subunit or toxic LT holotoxin.

8. Use of the B subunits of heat-labile enterotoxin (LTB) characteristic of *E. coli* , completely free of A subunit or toxic LT holotoxin in the preparation of a vaccine comprising a particulate immunogen and an adjuvanting amount of said LTB suitable for the induction of a systemic immunoglobulin response against said immunogen in an individual upon mucosal administration.
9. Use of the B subunits of heat-labile enterotoxin (LTB) characteristic of *E. coli* , completely free of A subunit or toxic LT holotoxin in the preparation of a vaccine comprising a particulate immunogen and an adjuvanting amount of said LTB suitable for the induction of a common mucosal immune response against said immunogen in an individual upon local mucosal administration.

[illegible]

and
A

add B3